

126-23**OPAQUE BLACK DIELECTRIC INK**

DESCRIPTION: 126-23 is an opaque black, one component, solvent-resistant, electrically insulating ink, coating and adhesive suitable for screen-printing. This product features excellent adhesion to Kapton®, Mylar®, glass, polycarbonate ITO coated substrates and a variety of other substrates. Unlike conventional dielectric materials, this product is very resistant to methyl ethyl ketone. It is also very resistant to scratching and creasing. Some applications for 126-23 include, but are not limited to, dielectric insulation of thick film circuitry, improving moisture resistance, arc track resistance, and weathering resistance of electrical/electronic devices. 126-23 is a higher optical density version of 125-47C.

TYPICAL CURED PROPERTIES:

Color	Opaque Black
Volume Resistivity (ohm-cm)	1×10^{16}
Dielectric Constant (50 Hz)	3.5
Dielectric Strength (volts/mil)	700
Hydrolytic Stability	Excellent
Useful Temperature Range (°C)	-55 to 250
Thermal Stability (°C)	Good to 325

SUGGESTED HANDLING AND CURING INSTRUCTIONS: Material is ready to use as received. Remove product from freezer and allow material to warm to room temperature before opening container. Good results can be achieved at a variety of temperatures such as those below. Not recommended for applications that cannot cure above 110°C. End user is advised to experiment and determine the best cure schedule for their application.

Time	Temperature (°C)
15 mins	125
10 mins	150
5 mins	175

STORAGE: Shelf life: 2 months at 25°C or 6 months at -10°C

SAFETY & HANDLING: Use with adequate ventilation. Keep away from sparks and open flames. Avoid prolonged contact with skin and breathing of vapors. Wash with soap and water to remove from skin.

All technical information is based on data obtained by CMI personnel and is believed to be reliable. No warranty is either expressed or implied with respect to suitability in particular application or possible infringements on patents.

REVISION DATE: 05/05/15 REVISION: C